

ABSTRACT OF THE DISCLOSURE

A rolling element for a continuously variable transmission, including input and output disks and a power roller interposed between the input and output disks, the power roller including an inner race, an outer race and a plurality of rolling members interposed between the inner and outer races, the input and output disks and the inner race having rolling contact surfaces coming into rolling contact with each other via lubricating oil, the inner and outer races having rolling contact surfaces coming into rolling contact with the rolling members via lubricating oil, and a nickel-based coat formed on at least one of the rolling contact surfaces, the nickel-based coat having a thickness ranging from 0.1 to 20 μm .